TITAN

TX-400 T

User Manual

Digital Terrestrial Receiver
with USB socket

INTRODUCTION

This User Manual will help you to operate your Satellite Receiver in a safe manner while enjoying all the features and benefits it provides for your entertainment

The instructions contained in this User Manual assume that the user of the Satellite Receiver already has a basic general knowledge on how to operate entertainment electronic devices

This User Manual must be read by every person that is:

- Installing
- Connecting
- Operating
- Cleaning
- Disposing of this Satellite receiver

DISPOSAL OF USED ELECTRICAL AND ELECTRONIC DEVICES

The disposal of used Electrical and electronic devices must be conducted in accordance with the rules and regulations of the European Union (EU) and that of other European Countries

All products that are marked either directly or labelled on their packaging with the following icon:

can not be disposed of through the normal household waste channels. These products must be disposed of through specialised collection centres for the recycling of electric and electronic devices

By disposing of this product as required by law, you are contributing to the protection of the environment and the health of your fellow human beings

Incorrect disposal can be dangerous to human health and hazardous to the environment

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Safety precautions

Before operating the receiver, please read thoroughly the following safety precautions You are required to read all the notes, instructions and warnings contained in this User Manual

⚠ Basic safety precautions

Connecting to the mains

· During disturbances unplug the receiver from the mains.

· To avoid the risk of fire and electric shock do not expose the receiver to rain or other humidity.

· Never open the housing. Otherwise there is the risk of electric shock.

· Only connect the receiver to a properly installed 100-240V, 50-60 Hz mains socket.

· The total power input at the LBN IN antenna socket of the receiver must not exceed 500mA.

· In case of non-use of the appliance for a longer period of time, please disconnect the plug from the mains. Only pull at the plug, not at the cable.

· Disconnect the plug from the mains during thunderstorms.

· If objects or liquids enter the receiver, immediately pull the plug. Refer the appliance to qualified service personnel before using it again. Otherwise there is a risk of electric shock.

· Please make sure that the power supply (socket) is easily accessible.

· Do not bend or squeeze the mains cable.

· If the mains cable is damaged, you have to refer the receiver to qualified service personnel for repair before using the receiver again. Otherwise there is the risk of electric shock.

· Do not allow children to use the receiver without supervision or to play with the antenna appliance.

· Always refer maintenance to qualified service personnel. Otherwise you endanger yourself and others. Purchase spare parts from the manufacturer only.

The right location

Place the receiver on a stable, even surface.
Avoid placing it near:

- Heating sources, like radiators,
- Naked flames, like candles,
- Devices with strong electromagnetic fields, like speakers.
- Do not place objects filled with liquids (such as vases) on the receiver.

· Avoid direct sunlight and exceptionally dusty places.
· Never cover the ventilation openings. Ensure sufficient ventilation of the receiver.
· Do not place heavy objects on the receiver.
· Humidity can occur inside when moving the receiver from a cold to a warm place. In this case, wait for about 1 hour before operating the unit.

Run the antenna cable so that no one can step on or stumble across it.

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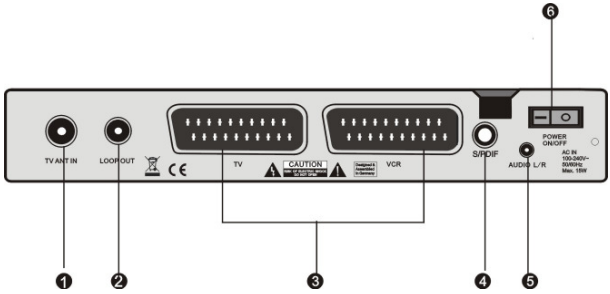
Front Panel/ Rear Panel

Front Panel

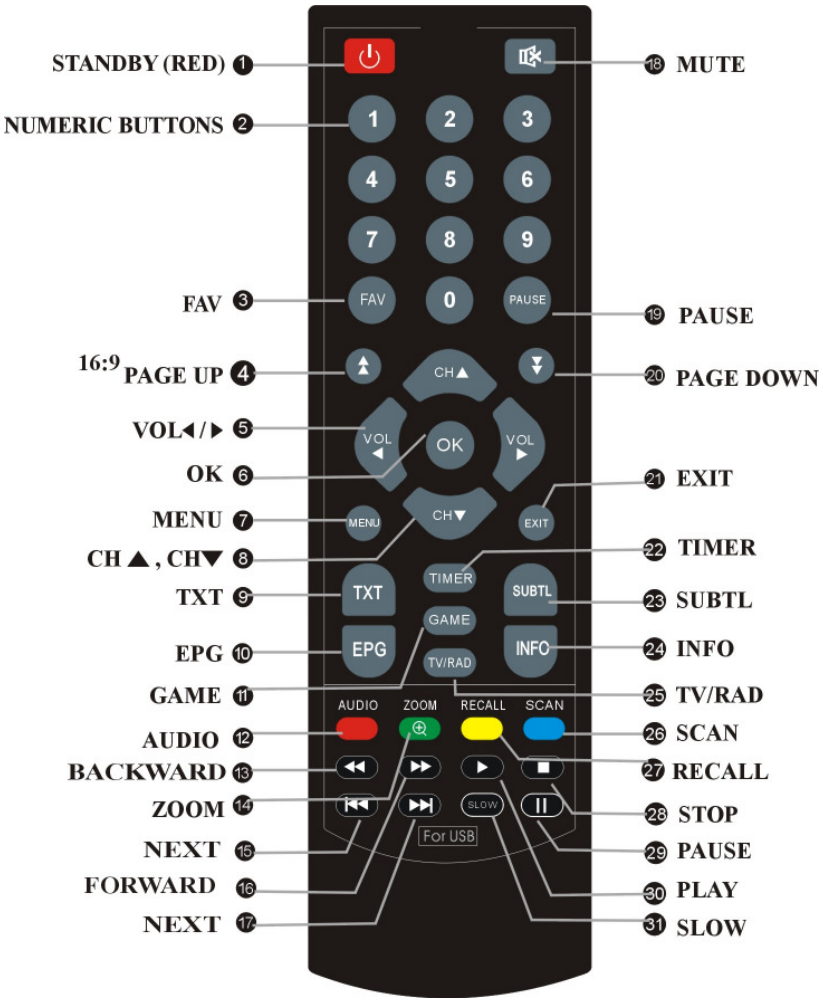
USB slot

Rear Panel



(1) TV ANT IN: Use to connect an antenna.
(2) LOOP OUT: Use it when connecting to another STB.
(3) TV/VCR SCART: For the Video/Audio input of the TV and VCR.
(4) SPDIF: SPDIF audio format output system.
(5) AUDIO L/R: 3.5MM Jack for connecting the audio RCA or earphone.
(6) POWER: Power ON/OFF switch

Remote Control Unit



Remote Control Unit

1	**STANDBY**	Switch between Operation and Standby mode
2	**NUMBERIC BUTTONS**	Changes channels or selects the menu options.
3	**FAV**	Enter into favorite list
4	**PAGE UP**	Press to jump one page up or ZOOM up when enabled
5	**VOL** (◄/►)	Turn up/down volume; Change the page of channel list.
6	**OK**	Enter into the menu you choose or select the current option
7	**MENU**	Turn to the main menu or return to upper menu
8	**CH** (▲/▼)	Change channels or items from top to bottom on the menu
9	**TXT**	View the Teletext information of the current channel
10	**EPG**	Electronic Program Guide button displays the TV/Radio program guide broadcasting by the TV provider
11	**GAME**	Turn to games to have a rest
12	**AUDIO**	Change audio mode to left right and stereo
13	**BACKWARD**	Speed back while USB Media playing
14	**ZOOM**	Press to Zoom-in and Zoom-out picture
15	**FORMER**	Turn to the former file while USB Media playing
16	**FORWARD**	Speed up while USB Media playing
17	**NEXT**	Turn to next file while USB Media playing
18	**MUTE**	Turn off volume
19	**PAUSE**	Pause to freeze the screen while watching TV
20	**PAGE DOWN**	Press to jump next page or ZOOM down while zoom is enabled
21	**EXIT**	Return to upper menu
22	**TIMER**	Enter into Wake-up timer menu
23	**SUBTL**	To display the Subtitle information
24	**INFO**	Display information of programs; show help information of Buttons in current menu
25	**TV/RADIO**	Switch between TV and Radio mode
26	**SCAN**	Enter into search menu
27	**RECALL**	Press to jump to previous channel
28	**STOP**	To Stop playing the USB Media
29	**PAUSE**	Pause to freeze the screen while playing the USB Media
30	**PLAY**	Press to play USB Media, such as Movie; Music; Photo
31	**SLOW**	Slower movie playing speed while playing USB movie

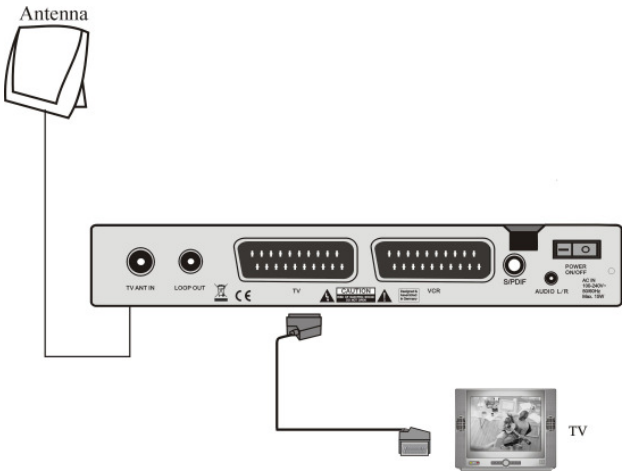
S.T.B Connection

Various equipment and TV/VCR can be connected to STB.
This manual will explain common ways to connect to the equipment.
If you experience any problem, please contact your sales agency.

1. How to connect the STB to a TV set

(1) Connect one end of the SCART cable to the TV SCART socket on the back of the STB and the other end to the SCART input socket on your TV.

(2) Connect the Antenna cable to TV ANT IN collector of the STB.



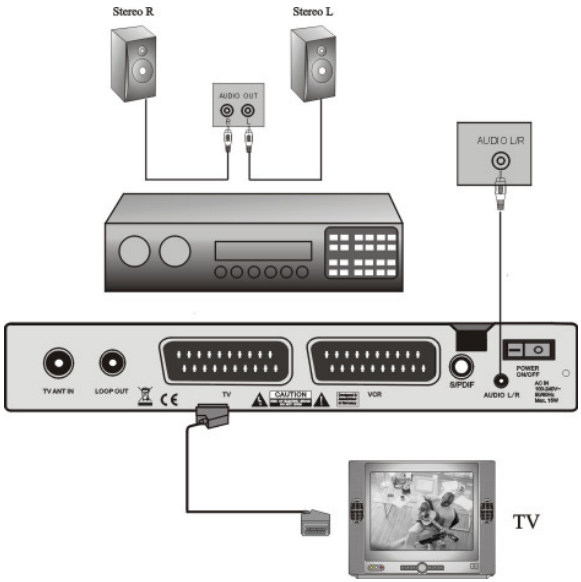
S.T.B Connection

2. How to connect the Audio system

□ Connect the AUDIO R/L socket of the STB to the Audio System like HI-FI, Amplifier, etc.

□ Audio System must capable of stereo audio ability.

③If Digital Audio or S/PDIF Optical output are available on STB, you can get better stereo experience.



Main Menu

Plug in the STB, the Main Menu screen, the beginning of the OSD screen, will appear as shown in the following picture. The Main Menu displays various functions of the STB or you can select with "**CH**" buttons and the numeric buttons on the remote control. To proceed to the next stage, press the "**OK**" button on the remote control.

DIGITAL TV

Plug in the STB, and power on, there are foreign languages for your choice, choose the one you prefer. Then, press "**Menu**" on the remote control to get started.

To get start the STB, please go to installation menu by pressing "**Menu**" button on the remote control (default lock code: 0000). The installation menu allows you to set and various functions, and customizes service. Use the "**CH**" buttons on the remote control to select an option and press the "**OK**" button to proceed to enter. To move backwards to the previous stage, press the "**Exit**" or "**Menu**" button.

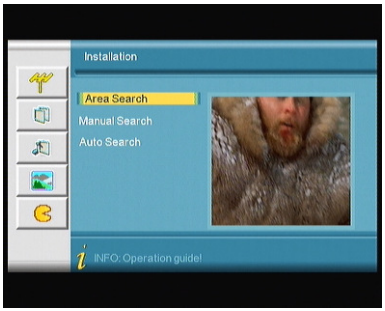
1. Installation

Your STB can be easily installed by using "Installation" Menu.
Selecting the mode you like from Area search; Manual search; Auto search

1.1 Area Search

Area search is a kind of intelligent and convenient mode of programs searching which covers programs of all frequent points of target countries or regions.

At present, this system covers many targets countries and regions including:

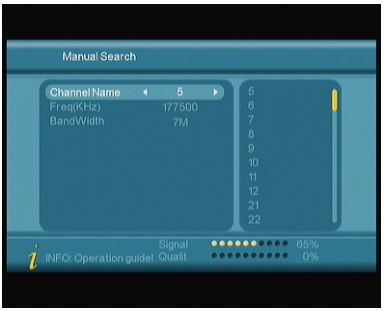


Germany/England/Italy/France/Spain/Holland/Norway/Sweden/Finland etc.

1.2 Manual Search

If you are familiar about digital TV and know the frequency of the program or if you want to scan the program at any frequency required, you can select manual scanning, which can save your much time.

1) You can move the cursor to “area search” via press “UP/DOWN” key under “installation menu”, then press “enter” to enter into area searching page.
2) Prior manual scanning, you need to configure relevant parameters including:
    1. Freq (KHz): the default frequency is 474000KHz,you can input relevant digitals to modify it.;
    2. Bandwidth: the default value of bandwidth is 64MHz.while you can set it to 6MHz, 7MHz, and 8MHz;
    3. Press “ENTER” key after configuration of parameters to start manual scan.



3) If any program is detected and the scanning process is finished, system will exit the scanning page and save the program.

1.3 Auto Search

You can search the programs of any channel.

1) You can move the cursor to “area search” via press “UP/DOWN” key under “installation menu”, then press “enter” to enter into area searching page
2) Prior to auto searching, you need to configure relevant parameters including:

1. Start Freq (KHz): the default frequency is 474000KHz. You can input relevant details to modify it;
2. End Frequency (KHz): the default frequency is 474000KHz. You can input relevant details to modify it;

3) Press “ENTER” key after configuration of parameters to start manual scan.
4) If any program is detected and the scanning process is finished, system will exit the scanning page and save the program.

2. Channel Manager

System offers an efficient function of channel management such as channel deleting, marking, moving, locking, sorting and grouping.

2.1 Channel Organize

Channel organizer page includes favorite channels, channel deleting, moving, locking and rename.

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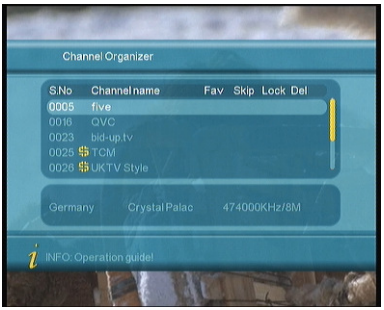
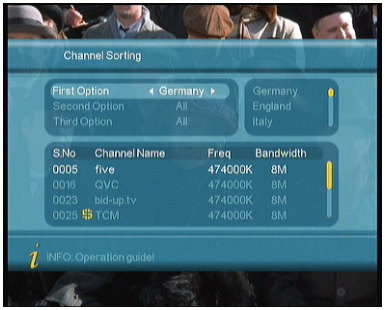
1) Channel Organizer menu includes: Favorite Channel; Delete Channel; Skip Channel; Lock Channel, Rename Channel
   1. Press INFO button to show function guide to related button of RCU
   2. Press RED button to set and cancel Favorite Channel
   3. Press GREEN button to set or cancel Delete Channel,
   4. Press YELLOW button to set or cancel Skip Channel,
   5. Press BLUE button to set or cancel Lock Channel (Default Password: 0000)
   6. Press RIGHT button to rename channel.



2.2 Channel Sorting



Channel Sorting enable the channels be listed according to certain sequence so that the user can easily find them.

1) Before sorting, the type of sorting shall be set, including the following items:
   1. First Option: choose the programs to be sorted via the selection area;
   2. Second Option: Press FTA (free of charge), Scramble (encrypted), ALL Free and Encrypted Channels;
   3. Third Option: According to alphabetic order A-Z, or Z-A;

2.3 Channel Grouping

Channel Grouping enable you to set the different channels into different category like Movies, Sport, Music, Kids, and Fashion etc.

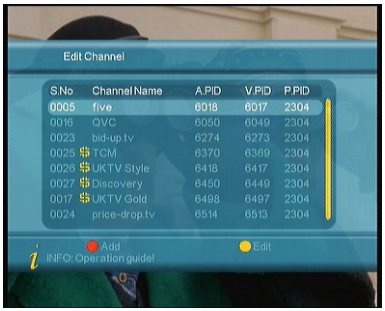
1) Press UP/DOWN key to choose the line where the channel to be grouped is in, then press the number keys 1-8 on the remote controller to set different channel grouping.

2.4 Edit Channel

This function enables you to do such operations as Add, Delete and Rename to channels.

1) Press the RED button to enter Add Channel menu.

2) Under Add Channel menu, there are 6 parameters for adding one channel as follows:



1. Area Name: For Area Name, press the RIGHT button to enter the Area Name list on the right, then press UP/DOWN button to choose area name, ENTER button to confirm.
2. Carrier: Press LEFT/RIGHT button to choose;
3. Channel Name: Press LEFT/RIGHT button to enter Rename Channel menu.;
4. Audio PID, Video PID, PCR PID, Press 0-9 number key to revise values;
5. Press ENTER key to confirm the adding, the system will hint with “Update succeeds” and return to Edit Channel menu;
6. Press RETURN key to return to Edit Channel page.

3) Press the YELLOW button to enter Edit Channel menu. The operation for this menu is as same as for Add Channel function

2.5 Delete All

If you do not like all of the TV or Radio channels, you can enter Delete All menu to choose to delete all TV, RADIO, and Carriers.

1) To delete all TV channels, press UP/DOWN button to move the cursor to ALL TV Channels option, press ENTER key to delete.

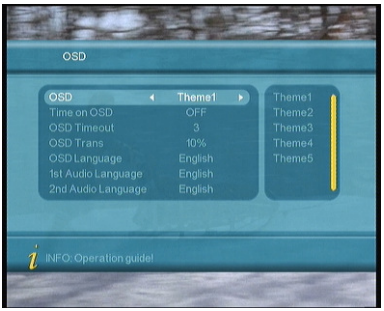
2) To delete all RADIO channel, press UP/DOWN button move the cursor to ALL Radio Channels option, press ENTER key, to delete.

3. Configuration

Configuration provides individualized system setup function; you can configure the system according to your own hobby and demand.

3.1 OSD

Via OSD menu, you can set the user interface display mode according to your own demand

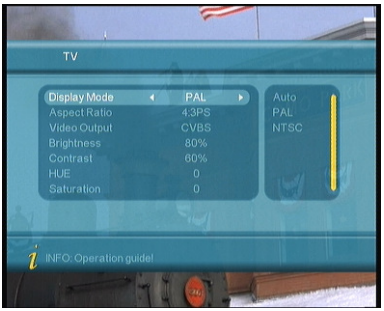


1) All options are listed on the left of the OSD menu.
   1. OSD: Select different theme style of OSD looking.
   2. Time: Select whether to display system time.
   3. OSD Timeout: Select information hint dialogue box and displays showing time period.
   4. OSD Trans: Select menu transparency between 0%-60%.
   5. OSD languages: Select different languages for different user.
   6. 1st ; 2nd Audio Language: Select the desired audio languages (This function is valid only when the broadcasting program contains the multi audio service)

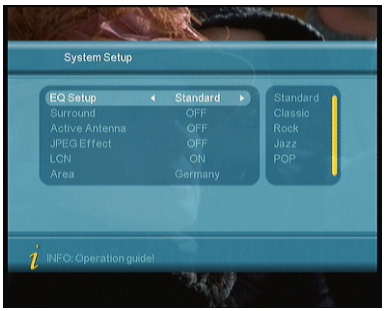
3.2 TV

TV menu provides convenient TV input mode in variety.

1) All options are listed on the left of the TV menu
   1. Display Mode
      TV mode can change the mode of the output video, you can adjust TV mode according to the actual situation of you receiving equipment.
   2. Aspect Ratio
      Video output mode can change the mode of video output, you can adjust TV mode according to the actual situation of you receiving equipment.
   3. Video Output
      Video Output mode can change the mode of video output, CVBS, RGB, YUV, S-Video you can adjust TV mode according to the actual situation of you receiving equipment.
   4. Brightness
      If the Brightness is not proper during watching, you can adjust the current brightness to be a proper one.



5. Contrast
   If the Contrast is not proper during watching, you can adjust the current contrast to be a proper one.
6. HUE
   If the HUE is not proper during watching, you can adjust the current HUE to be a proper one.
7. Saturation
   Adjust system saturation.



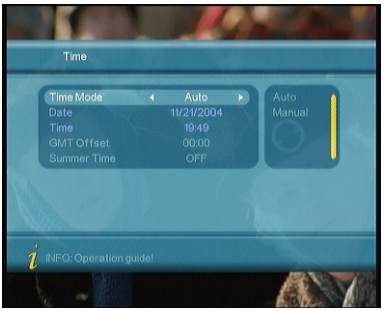
3.3 System Setup

System Setup menu provide different useful functions for your to use.

1. EQ setting: To select different Sound Effect, Standard, Classic, Rock, Jazz, POP;
   default: Standard
2. Surround: To set Stage Effect OFF, Concert, Church, Passive, Live; Default: OFF
3. Active Antenna: To set 5V voltage output to Terrestrial Antenna
4. JPEG Effect: To set different fading in effect for viewing Photo over USB device
5. LCN: To set LCN function on (Logical Channel Number)
6. Area: To set the country for LCN function

3.4 Time

Set the Time mode and GMT time etc. in this menu



1. Time Mode: To Select AUTO or MANUAL setting of time
2. Date: To set the calendar date
3. Time: To set the correct time
4. GMT Offset: To set the GMT time zone
5. Summer Time: To select ON or OFF for Summer time

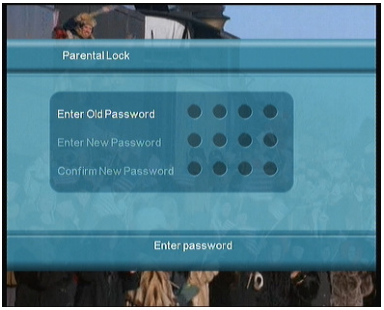
3.5 Wakeup Timer

If you want to set channel playing at certain time or giving some hint information such as Birthday. You can set via Wakeup Timer menu.

1. Timer Number: To select the number of each timer, there are total 8 event timer available.
2. Timer Mode: To set the timer in different mode, such as OFF; Once; Daily; Weekly; Yearly.
3. Wakeup Mode: To set Wakeup Mode option as: OFF; Message; Channel and ON.
4. Wakeup Message: To set Wakeup message as: Birthday, Anniversary, General. A greeting message will appear on Screen.
5. Wakeup Date: To set the Wakeup date.
6. On Time: To set the Wakeup time.
7. Duration: To set the duration time of selected channel you want to watch.

3.6 Parental Lock

To prevent the unauthorized Accessing of your STB, you can set the Parental control password to you receiver. (Default password: 0000)



1. Press the number key 0-9 on the RCU to input Old password.

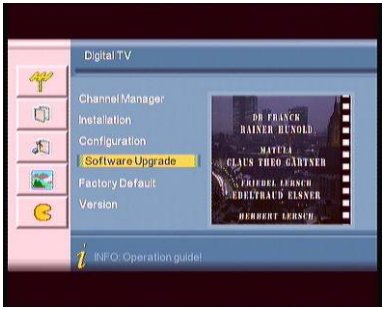
2. If the password is input correctly, the cursor can move onto Input New password option, press number key 0-9 to input new 4-digit password;

3. The cursor move Confirm New Password option, press number key 0-9 again to confirm the new password

4. Software Upgrade

This STB provide you an easy way for updating the STB software through USB stick.

Contact your dealer if there is new software for your STB available, then you can update it easily with your USB stick through the USB input of this STB.



1. Copy the bin code file (such as p1.bin) from PC to your USB device, such as USB stick.

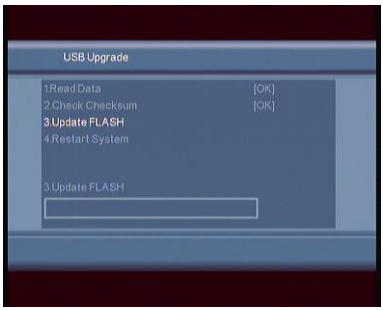
2. Power on the STB, plug in the USB disk properly.

3. Enter the main menu and select the Software Upgrade item.

4. Select Download from USB item, Select the USB device,

   such as 0001 /sda.

5. Select the bin code file, which you want to be upgraded, such as p1.bin.



6. STB will upgrade by itself, but remember that, do not power off.

7. After being upgraded, system will restart itself, you will see the new software interface.

5. Factory Default

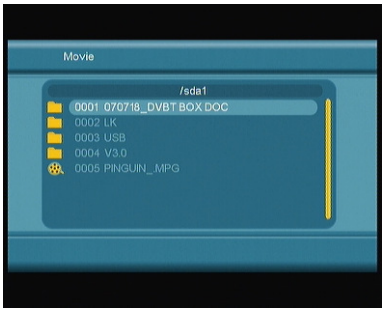
The factory default enable you re-set your STB as factory settings mode.

WARNING: You will loss all the settings and channels which you have already tuned.

6. Version

The version information provides you current hardware and software information of your STB.

USB MEDIA PLAY

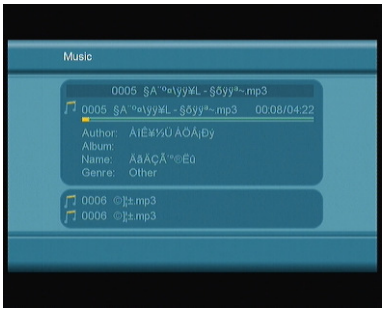


This STB integrates powerful function to support USB features and you can connect USB equipments via the USB input to play movies, MP3, and viewing pictures, At present, system can support usual USB media players.

***Video supporting format**: Mpeg1; 2; dat / mpg / vob / avi / mpeg4 / asp / divx*
***Audio supporting format**: LPCM/PCM / WAV / MP3*
***Picture supporting format**; JPEG/JPG*

1. Copy media documents to USB device.
2. Plug in USB device;
3. Enter device in main menu.

1. Movie



1 In main menu, press UP/DOWN to choose Movie option, Press ENTER key to confirm.

1. Press ENTER key to enter next directory, every directory displays only movie file and folders only
2. Press PLAY button to start to play the movie

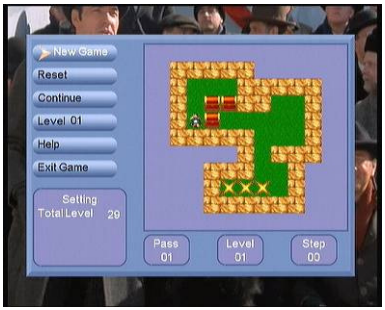
2. Music

1. In main menu, press UP/DOWN to choose Music option, to choose ENTER key to confirm
2. Press ENTER key to enter next directory, every directory can show music file and folder name only:
3. Press PLAY button to start to play the mp3 music.

3. Photo

1. In main menu, press UP/DOWN to choose Photo option, press ENTER key to confirm.
2. Press ENTER key to enter next directory, every directory can show photo file and folder name
3 Press ENTER key to play Photo file;
4 Press PREV key to play previous Photo, NEXT key to play next Photo.
5 In full-screen play state:
   (1). Press Left, Right key to rotate the photo clockwise/counterclockwise by 90 degrees;
   (2). Press UP key to view lens photo vertically;
   (3). Press DOWN key to view lend photo horizontally.

GAMES



If you want to have a rest or to relieve yourself after hard working, you can play some games attached in the system.

1 Box Man
   Use your brain and push the box into the right place
2. Tetris
   The classic game of all time, Tetris is one of most highly playable game.
3. Hit Rat
   A new funny game for your play

Troubleshooting

When you found some problems about this STB, please check the table in below. Because these may not be any serious problems:

Fault Phenomenon	Probably reasons	Resolve
Power on, but no display on screen	Please carefully check the power plug, to see it is in socket of wall or not? Is power interrupted?	Put firmly the power plug to the socket on the wall.
Power on this STB, then that screen displays "No signal"	Is the aerial install correct?	Reinstall the aerial and calibrate it
	Antenna cable input is not connect	Connect the antenna cable input
	The transmit station turns off	Attempt until the signal coming again
	The sky wave disturbs the device	Attempt again later
	The program setups are incorrect	Set the proper parameters of received program in the system settings menu
STB plays a strange sound	Due to the channel contain more audio tracks or audio languages	User can use the "Audio" button on the RCU to select the correct audio track or audio languages

Tips: If you refer to this troubleshooting, but no resolve that problem you encountered. Please contact the local dealer or technical support instantly, do not open the machine, because that is very dangerous to you or to the machine in that cases.

Specification

1. Tuner Demodulator

Input Frequency Range	51MHz ~ 858 MHz
Input Level	32dBm
Input socket	IEC 169-24 Female XI
Output socket	IEC 169-24, 5V75mA Max

2. Demodulator

Coding	COFDM
Mode	2K or 8K
Code rate	1/2,2/3,3/4,5/6,7/8
Guard	1/4,1/8,1/6,1/32

3. Video decoder

Profile Lever	MPEG-2 MP@ML
Bit rate	Max 15Mbps
Aspect Ratio	4:3, 16:9, Auto
Output	PAL/NTSC
Video Resolution	720 x 576(PAL), 720 x 480 (NTSC)

4. Audio decoder

Decoding	MPEG-2&1 Layer 2&1
Mode	Mono, Dual, Stereo, Joint stereo
Bit rate	Max 384kbps

5. USB 2.0

Supported Video	MPEG1, MPEG2, MP@ML dat/mpg/vob/avi MPEG4 ASP，Divx4.12, Divx5.0、5.02、5.03 5.04,5.05,5.1,5.11 5.2,5.21,Xvid1.00, 1.01,1.02,1.03,1.10-beta1,1.10-beta2
Supported Audio	LPCM/PCM/WAV/MP3/MPEG1/2 LAYER1/2/3
Supported Pictures	JPEG/JPG

6. General

Input Voltage	100-240V~, 50/60Hz.
Power Consumption	Max.15W
Operating Temperature	0℃ - 40℃
Storage Temperature	-40℃- 65℃

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Thank you for choosing one of our products.
This product complies with the legal standards and is manufactured under constant quality control.
The technical specifications are up-to-date at the time of printing.
Subject to changes without prior notice.

V1.01